



ELSEVIER

Colloids and Surfaces B: Biointerfaces 14 (1999) 253

COLLOIDS
AND
SURFACES

B

Author Index

Azeredo, J., 141

Ben-Hayyim, G., 237

Bos, R., 169

Busscher, H.J., 169

Chibowski, E., 19

DeLucas, L.J., 197

Docoslis, A., 99

Engwall, M.A., 121

Furusawa, K., 161

Galisteo-González, F., 3

Giese, R.F., 47, 99

Grasso, D., 121

Grigorov, L.S., 149

Guo, Y.Q., 213

Hermansson, M., 105

Hidalgo-Alvarez, R., 3

Hui, S.W., 213

Israelachvili, J., 213

Jönsson, B., 67

Kafkafi, U., 237

Khanna, R., 223

King Johnson, V., 197

Kinraide, T.B., 237

Kuhl, T.L., 213

Leckband, D., 83

Long, M.M., 197

Lyklema, J., 179

Machinist, B.J., 121

Malmsten, M., 197

Matsumura, H., 161

Mitev, D.J., 149

Molina-Bolívar, J.A., 3

Nancollas, G.H., 57

Nir, S., 237

Norde, W., 179

Ohki, S., 27

Ohshima, H., 27

Oliveira, R., 141

Ramsden, J.J., 77

Reiter, G., 223

Rijnarts, H.H.M., 179

Scherer, G.F.E., 237

Sharma, A., 223

Sivasankar, S., 83

Smets, B.F., 121

Ståhlberg, J., 67

Van Alstine, J.M., 197

van Oss, C.J., 47, 99

Vassilieff, C.S., 149

Visser, J., 141

Wiacek, A., 19

Wu, W., 47, 57, 99

Yang, B., 161

Yermiyahu, U., 237

Zehnder, A.J.B., 179



Subject Index

Acid-base interactions, 169
Adhesion, 105, 149
Adsorption, 161, 197
Aggregation, 27
Alcohol, 19

Bacteria, 105
Bacterial adhesion, 121, 141, 179
Bacterial physiology, 121

Calcium, 237
Cell aggregation, 213
Cell surface macromolecules, 179
Chloroform, 169
Collision efficiency, 121
Colloidal stability, 3
Colloid stability, 105, 179
Contact angle, 57
Corneal mucus layer, 223
Critical stabilization concentration, 3
Crystal growth, 197

Debye length, 67
DLVO, 197
DLVO forces, 83
DLVO theory, 27, 57, 99, 105, 141, 161, 179

Effective diameters, 19
Ellipsometry, 197
Exopolymers, 141
Extended DLVO, 19, 57
Extended DLVO theory, 3

Flocculation, 47, 57
Fusion, 213

Hexadecane, 169
Human serum albumin, 99
Hydration forces, 3
Hydrophilicity, 57
Hydrophobicity, 57

Immunoassays, 3
Interaction, 77, 223
Interfacial tension, 161

Lewis acid/base, 57
Lipid bilayer, 77
Lipid vesicles, 27, 149

Membrane, 77
Microbial Adhesion, 169
Modified DLVO theory, 27

Non-classical DVLO behaviour, 3
n-Tetradecane-water emulsion, 19

Oil/water interface, 161

Particle suspensions, 47
PEG, 197, 213
Pharmaceutics, 57
Phosphatidylcholine, 161
Phosphatidylserine, 161
Plasma membrane, 237
Poisson-Boltzmann equation, 67
Polymer, 197
Porous media transport, 121
 ζ -Potential, 161
Protein, 77, 99, 197
Protein adsorption, 67
Protein solution behavior, 83

Root, 237

Salinity, 237
Sodium, 237
Stability, 19, 47
Steric interactions, 179
Surface charge, 237
Surface free energy, 57
Surface thermodynamics, 121

Tear film, 223

van der Waals forces, 83
Van der Waals interaction, 149
Vesicle, 161
Vessicle interaction, 27

XDLVO theory, 141

Zeta potentials, 19

